

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/034909 A2

(51) International Patent Classification⁷: A61K 9/00 (74) Agent: ROUSE PATENTS; Windsor House, Cornwall Road, Harrogate HG1 2PW (GB).

(21) International Application Number:

PCT/EP2004/010973

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03022097.4 2 October 2003 (02.10.2003) EP

(71) Applicant (for all designated States except US): COMPLEX BIOSYSTEMS GMBH [DE/DE]; Im Neuenheimer Feld 584, 69120 Heidelberg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VETTER, Dirk [DE/DE]; Complex Biosystems GmbH, Im Neuenheimer Feld 584, 69120 Heidelberg (DE). HERSEL, Ulrich [DE/DE]; Complex Biosystems GmbH, Im Neuenheimer Feld 584, 69120 Heidelberg (DE). RAU, Harald [DE/DE]; Complex Biosystems GmbH, Im Neuenheimer Feld 584, 69120 Heidelberg (DE). SCHNEPF, Robert [DE/DE]; Complex Biosystem GmbH, Im Neuenheimer Feld 584, 69120 Heidelberg (DE). WEGGE, Thomas [DE/DE]; Complex Biosystems GmbH, Im Neuenheimer Feld 584, 69120 Heidelberg (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/034909 A2

(54) Title: PROTEIN-PROTEOPHORE COMPLEXES

(57) Abstract: The application relates to a composition comprising a hyperbranched polymer attached to a core and a biologically active moiety. The biologically active moiety is attached to the core by means of a substantially non-enzymatically cleavable linker L. The composition can be used to deliver the biologically active moiety to its target.